

<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; margin-right: 10px; text-align: center;"> O I P E JUL 06 2004 PATENT &amp; TRADEMARK OFFICE </div> <div> <b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary) </div> </div>				ATTY DOCKET NO. 132407-3		SERIAL NO. 10/815,258	
				Dennis Michael Gray et al.			
				FILING 3/31/2004		GROUP <del>1762</del> 1775	
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
RRK	4,439,237	3/27/1984	Kuminitzu et al.				
RRK	5,206,083	4/27/1993	Raj et al.				
RRK	5,230,755	7/27/1993	Pierantoni et al.				
RRK	5,759,216	6/2/1998	Kanada et al.				
RRK	5,932,293	8/3/1999	Belashchenko et al.				
RRK	6,004,372	12/21/1999	Quets				
RRK	US 6,245,390 B1	6/12/2001	Baranovskij et al.				
RRK	US 6,365,274 B1	4/2/2002	Scheckenbach et al.				
RRK	US 6,513,728 B1	2/4/2003	Hughes et al.				
RRK	US 6,562,480 B1	5/13/2003	Stong et al.				
RRK	US 2002/0064667 A1	5/30/2002	Scheckenbach et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
RRK	GB 2 024 260 A	9 Jan 1980	Great Britain				✓
RRK	WO 01/92601 A1	06.12.2001	PCT				✓
RRK	EP 0 224 827 B1	10.06.1987	European				✓
RRK	EP 1 217 095 A1	26.02.2002	European				✓
RRK	EP 1 111 089 A1	27.06.2001	European				✓
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
RRK	JP 08-253877; Date of Publication of Application: 01.10.1996; Patent Abstracts of Japan (2 pgs)						
RRK	WO0192601; 2001-12-06; Abstract Only (1 pg)						
EXAMINER <i>Robert R. Koehler</i>				DATE CONSIDERED <i>August 26, 2005</i>			
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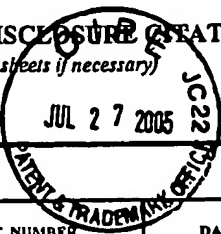




<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>132407-3</b>	Application Number <b>10/815,258</b>
		Applicant(s) <b>Dennis Michael Gray et al.</b>	
		Filing Date <b>3/31/2004</b>	Group Art Unit <b>1762-1775</b>
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
<b>RRK.</b>	Sikder et al., "Surface Engineering of Metal-Diamond Composite Coatings on Steel Substrates Using Chemical Vapour Deposition and Electroplating Routes" Surface and Coatings Technology 114 (1999) 230-234; <b>(no month given).</b>		
<b>RRK.</b>	Sikder et al., "Chemical Vapour Deposition of Diamond on Stainless Steel: The Effect of Ni-Diamond Composite Coated Buffer Layer" Diamond and Related Materials 7 (1998) 1010-1013; <b>(no month given).</b>		
<b>RRK.</b>	G. Meaden et al., "Laser Cutting of Diamond Fibres and Diamond Fibre/Titanium Metal Matrix Composites" Diamond and Related Materials 5 (1996) 825-828; <b>(no month given).</b>		
<b>RRK.</b>	Dai et al., "Effects of Rare Earth and Sintering Temperature on the Transverse Rupture Strength of Fe-Based Diamond Composites" Journal of Materials Processing Technology 129 (2002) 427-430; <b>(no month given).</b>		
<b>RRK.</b>	Reddy et al., "A Study on the Wear Resistance of Electroless Ni-P/Diamond Composite Coatings" Wear 239 (2000) 111-116; <b>(no month given).</b>		
<b>RRK.</b>	Ian Meredith, "The Wear Resistant Design and Rebuild of the Rangipo Francis Turbines", 10th HPEE Conference, 19-24 May 2002 Snowy Hidro AUS (19 pgs)		
<b>RRK.</b>	Malcolm et al., "Ashes to ashes?" AUSTRALASIA Rangipo Rebuild, International Water Power & Dam Construction February 1997 (3 pgs)		
<b>RRK.</b>	Alec van Rossen, "Refurbishing and Modifying Rangipo Hydro Turbines-To Survive Volcanic Ash In The Waterway" URHP, Montreal, 1997 (10 pgs); <b>(no month given).</b>		
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; bottom: 0; right: 0; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div> </div>			
EXAMINER <b>Robert R. Koehler</b>		DATE CONSIDERED <b>August 26, 2005</b>	
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JUL 27 2005



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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RRK</i>		4,925,626	5/15/1990	Anand et al.			

**U.S. PATENT APPLICATION PUBLICATIONS**

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**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
<i>RRK</i>		DE 100 61 749 A1	2002-06-20	Germany				✓
<i>RRK</i>		EP 0 687 746 A1	1995-12-20	Europe				✓

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>RRK</i>	DE10061749; 2002-06-20; Abstract Only (1 pg)
<i>RRK</i>	Karimi et al. "Microstructure and Hydroabrasive Wear Behaviour of High Velocity Oxy-Fuel Thermally Sprayed WC-Co(Cr) Coatings", Surface and Coatings Technology, 57 (1993) 81-89; (no month given).

EXAMINER *Robert R. Koehler* DATE CONSIDERED *August 26, 2005*

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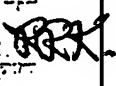
**U.S. PATENT APPLICATION PUBLICATIONS**

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**FOREIGN PATENT DOCUMENTS**

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						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	Karimi et al., "Hydroabrasive Wear Behaviour of High Velocity Oxyfuel Thermally Sprayed WC-M Coatings", Surface and Coatings Technology, 62 (1993) 493-498; (no month given).
	Siegmann et al., "Thermally Sprayed Wear Resistant Coatings with Nanostructured Hard Phases", Journal of Thermal Spray Technology, Volume 13 (1) March 2004, pages 37-43

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						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

PRK	JP63057789; 1988-08-01; Abstract Only (1 pg)
PRK	International Search Report; International Application No. PCT/US2004/034931; International Filing Date 21/10/2004; Date of Mailing 25/04/2005 (4 pgs)

EXAMINER Robert R. Koehle	DATE CONSIDERED August 26, 2005
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